


		NTSB ID: DEN02LA041		Aircraft Registration Number: N4730Q	
		Occurrence Date: 04/28/2002		Most Critical Injury: None	
		Occurrence Type: Accident		Investigated By: NTSB	
Location/Time					
Nearest City/Place Greeley	State CO	Zip Code 80631	Local Time 1200	Time Zone MDT	
Airport Proximity: On Airport		Distance From Landing Facility: 0.5		Direction From Airport: 270	
Aircraft Information Summary					
Aircraft Manufacturer Cessna		Model/Series A185E		Type of Aircraft Airplane	
Sightseeing Flight: No			Air Medical Transport Flight: No		
Narrative					
<p>Brief narrative statement of facts, conditions and circumstances pertinent to the accident/incident:</p> <p>On April 28, 2002, approximately 1200 mountain daylight time, a Cessna A185E, N4730Q, piloted by an airline transport pilot, sustained substantial damage when the airplane ground-looped during landing at the Greeley/Weld County Airport (GXY), Greeley, Colorado. Visual meteorological conditions prevailed at the time of the accident. The instructional flight was being conducted under the provisions of Title 14 CFR Part 91 and was not operating on a flight plan. The instructor pilot and airline transport pilot-rated dual student reported no injuries. The local flight originated approximately 1100.</p> <p>The pilot receiving instruction said, "Late in landing roll on runway 9 (6,210 feet by 100 feet, dry asphalt) at approximately 25-30 mph brakes were applied and left brake failed due to ruptured brake line. Airplane veered right and ground-looped causing left wing tip and left elevator to contact runway."</p> <p>An examination of the airplane revealed the outer portion of the front main spar, two ribs, and a portion of the rear spar to the airplane's left wing were bent upward and aft. The airplane's left wing tip was broken aft. The top skin of the left wing showed wrinkling. The left aileron was bent slightly upward. The bottom left elevator skin showed scraping. Flight control continuity was confirmed. An examination of the airplane's engine and engine controls showed no anomalies. An examination of the left main landing gear showed that a portion of the left wheel rim was broken. The left tire showed heavy rubs in the outer wall and tread. The left brake line was cracked, flattened, and leaking brake fluid.</p>					
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		Occurrence Date: 04/28/2002				
		Occurrence Type: Accident				
Landing Facility/Approach Information						
Airport Name Greeley-Weld County Airport		Airport ID: GXY	Airport Elevation 4658 Ft. MSL	Runway Used 09	Runway Length 6210	Runway Width 100
Runway Surface Type: Asphalt						
Runway Surface Condition: Dry						
Type Instrument Approach: NONE						
VFR Approach/Landing: Full Stop; Traffic Pattern						
Aircraft Information						
Aircraft Manufacturer Cessna		Model/Series A185E		Serial Number 185-1184		
Airworthiness Certificate(s): Normal						
Landing Gear Type: Tailwheel						
Homebuilt Aircraft? No		Number of Seats: 6	Certified Max Gross Wt. 3300 LBS	Number of Engines: 1		
Engine Type: Reciprocating		Engine Manufacturer: Continental	Model/Series: IO-520-D1	Rated Power: 300 HP		
- Aircraft Inspection Information						
Type of Last Inspection Annual		Date of Last Inspection 02/2002	Time Since Last Inspection 20 Hours	Airframe Total Time 3823 Hours		
- Emergency Locator Transmitter (ELT) Information						
ELT Installed? Yes		ELT Operated? No		ELT Aided in Locating Accident Site? No		
Owner/Operator Information						
Registered Aircraft Owner Brad and Arden Lindsey		Street Address 43 Sylvan Way				
		City Dubois	State WY	Zip Code 82513		
Operator of Aircraft Same as Reg'd Aircraft Owner		Street Address Same as Reg'd Aircraft Owner				
		City	State	Zip Code		
Operator Does Business As:			Operator Designator Code:			
- Type of U.S. Certificate(s) Held: None						
Air Carrier Operating Certificate(s):						
Operating Certificate:			Operator Certificate:			
Regulation Flight Conducted Under: Part 91: General Aviation						
Type of Flight Operation Conducted: Instructional						
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First Pilot Information																																																																																						
Name On File			City On File		State On File	Date of Birth On File	Age 65																																																																															
Sex: M	Seat Occupied: Right		Principal Profession: Civilian Pilot			Certificate Number: On File																																																																																
Certificate(s): Flight Instructor; Commercial																																																																																						
Airplane Rating(s): Multi-engine Land; Single-engine Land																																																																																						
Rotorcraft/Glider/LTA: None																																																																																						
Instrument Rating(s): Airplane																																																																																						
Instructor Rating(s): Airplane Multi-engine; Airplane Single-engine; Instrument Airplane																																																																																						
Type Rating/Endorsement for Accident/Incident Aircraft? No					Current Biennial Flight Review? 03/2002																																																																																	
Medical Cert.: Class 2		Medical Cert. Status: Valid Medical--w/ waivers/lim.			Date of Last Medical Exam: 08/2001																																																																																	
<table border="1"> <thead> <tr> <th rowspan="2">- Flight Time Matrix</th> <th rowspan="2">All A/C</th> <th rowspan="2">This Make and Model</th> <th rowspan="2">Airplane Single Engine</th> <th rowspan="2">Airplane Multi-Engine</th> <th rowspan="2">Night</th> <th colspan="2">Instrument</th> <th rowspan="2">Rotorcraft</th> <th rowspan="2">Glider</th> <th rowspan="2">Lighter Than Air</th> </tr> <tr> <th>Actual</th> <th>Simulated</th> </tr> </thead> <tbody> <tr> <td>Total Time</td> <td>19100</td> <td>12000</td> <td>16875</td> <td>2225</td> <td>913</td> <td>721</td> <td>85</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Pilot In Command(PIC)</td> <td>18000</td> <td>12000</td> <td>14000</td> <td>2225</td> <td>913</td> <td>721</td> <td>55</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Instructor</td> <td>2500</td> <td>800</td> <td>2385</td> <td>115</td> <td>100</td> <td>25</td> <td>80</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 90 Days</td> <td>176</td> <td>165</td> <td>176</td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 30 Days</td> <td>97</td> <td>96</td> <td>97</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 24 Hours</td> <td>5</td> <td>5</td> <td>5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								- Flight Time Matrix	All A/C	This Make and Model	Airplane Single Engine	Airplane Multi-Engine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air	Actual	Simulated	Total Time	19100	12000	16875	2225	913	721	85				Pilot In Command(PIC)	18000	12000	14000	2225	913	721	55				Instructor	2500	800	2385	115	100	25	80				Last 90 Days	176	165	176		1						Last 30 Days	97	96	97								Last 24 Hours	5	5	5							
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Seatbelt Used? Yes		Shoulder Harness Used? No			Toxicology Performed? No		Second Pilot? Yes																																																																															
Flight Plan/Itinerary																																																																																						
Type of Flight Plan Filed: None																																																																																						
Departure Point		State		Airport Identifier		Departure Time		Time Zone																																																																														
Same as Accident/Incident Location				GXY		1100		MDT																																																																														
Destination		State		Airport Identifier																																																																																		
Local Flight				GXY																																																																																		
Type of Clearance: None																																																																																						
Type of Airspace: Class E																																																																																						
Weather Information																																																																																						
Source of Briefing: No record of briefing																																																																																						
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			Occurrence Type: Accident		

Weather Information					
WOF ID	Observation Time	Time Zone	WOF Elevation	WOF Distance From Accident Site	Direction From Accident Site
GXY	1155	MDT	4658 Ft. MSL	1 NM	270 Deg. Mag.
Sky/Lowest Cloud Condition: Clear			Ft. AGL	Condition of Light: Day	
Lowest Ceiling: None			Ft. AGL	Visibility: 10 SM	Altimeter: 30.00 "Hg
Temperature: 18 °C		Dew Point: -2 °C	Wind Direction: 10		Density Altitude: 6035 Ft.
Wind Speed: 4		Gusts:	Weather Conditions at Accident Site: Visual Conditions		
Visibility (RVR): Ft.		Visibility (RVV) SM	Intensity of Precipitation:		
Restrictions to Visibility: None					
Type of Precipitation: None					

Accident Information					
Aircraft Damage: Substantial		Aircraft Fire: None		Aircraft Explosion: None	
Classification: U.S. Registered/U.S. Soil					

- Injury Summary Matrix	Fatal	Serious	Minor	None	TOTAL	
First Pilot				1	1	
Second Pilot						
Student Pilot				1	1	
Flight Instructor						
Check Pilot						
Flight Engineer						
Cabin Attendants						
Other Crew						
Passengers						
- TOTAL ABOARD -				2	2	
Other Ground						
- GRAND TOTAL -				2	2	

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	Occurrence Type: Accident	
Administrative Information		
<p>Investigator-In-Charge (IIC)</p> <p>David C. Bowling</p>		
<p>Additional Persons Participating in This Accident/Incident Investigation:</p> <p>Bob Loflin Air Safety Inspector Federal Aviation Administration 26805 E. 68th Avenue, #200 Denver, CO 80249</p>		
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